

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/014843 A2**

(51) International Patent Classification<sup>7</sup>: C12P 13/08

(21) International Application Number:  
PCT/EP2004/008470

(22) International Filing Date: 29 July 2004 (29.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
103 37 028.5 12 August 2003 (12.08.2003) DE  
60/494,566 13 August 2003 (13.08.2003) US  
10 2004 029 639.1 18 June 2004 (18.06.2004) DE

(71) Applicant (for all designated States except US): DE-  
GUSSA AG [DE/DE]; Bennigsenplatz 1, 40474 Düssel-  
dorf (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KRUSE, Daniela  
[DE/DE]; Hermannstrasse 1, 33602 Bielefeld (DE).  
HERMANN, Thomas [DE/DE]; Zirkonstrasse 8, 33739  
Bielefeld (DE). THIERBACH, Georg [DE/DE]; Gunst-  
strasse 21, 33613 Bielefeld (DE). RIEPING, Mechthild  
[DE/DE]; Mönkebergstrasse 1, 33619 Bielefeld (DE).

(74) Common Representative: DEGUSSA AG; Intellectual  
Property Management, Patente und Marken, Standort  
Hanau, Postfach 13 45, 63403 Hanau (DE).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB,  
GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,  
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,  
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— without international search report and to be republished  
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: A PROCESS FOR PREPARING L-THREONINE

(57) Abstract: The invention provides an improved process for the fermentative preparation of L-threonine using L-threonine-pro-  
ducing bacteria from the family Enterobacteriaceae.

WO 2005/014843 A2